FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
19629-711CON4	09/311,835

APPLICANT
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FILING DATE	GROUP ART UNIT
May 14, 1999	1643

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
✓	A1	4,358,535	11/1982	Falkow et al	435	5	
	A2	4,647,529	3/1987	Rodland et al	435	6	
	A3	4,681,840	7/1987	Stephenson et al	435	6	
	A4	4,683,195	7/1987	Mullis et al	435	6	
	A5	4,683,202	7/1987	Mullis	435	91	
	A6	4,707,440	11/1987	Stavrianopoulos	435	6	
	A7	4,710,465	12/1987	Weissman et al	435	91	
	A8	4,711,955	12/1987	Ward et al	536	29	
	A9	4,721,669	1/1988	Barton	435	6	
	A10	4,725,536	2/1989	Fritsch et al	435	6	
	A11	4,770,992	9/1988	Van den Engh et al	435	6	
	A12	4,772,691	9/1988	Herman	536	27	
	A13	4,888,278	12/1989	Singer et al	435	6	
	A14	5,085,983	12/1992	Scanlon	435	6	
	A15	5,427,932	6/1995	Weier et al	435	91.2	
	A16	5,447,841	9/1995	Gray et al	435	6	
	A17	5,472,842	9/1995	Stokke et al	435	6	
	A18	5,856,097	1/1999	Pinkel et al	435	6	
✓	A19	5,965,362	10/1999	Pinkel et al	435	6	
✓	A20	5,976,790	11/1999	Pinkel et al	435	6	

FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATION yes	TRANSLATION no
✓	B1	0430402	6/1991	Europe			Yes	
	B2	2019408	10/1979	United Kingdom				
✓	B3	2215724	9/1989	United Kingdom				
✓	B4	87/05027	8/1987	WIPO				

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	B5	90/05789	5/1990	WIPO	

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*)

	C1	Albertson, "Mapping Muscle Protein Genes by *in situ* Hybridization Using Biotin-Labeled Probes," EMBO J., Vol. 4, No. 10, 1985, pp. 2493-2498
	C2	Albertson, "Localization of the Ribosomal Genes in *Caenorhabditis elegans* Chromosomes by *in situ* Hybridization Using Biotin-Labeled Probes," EMBO J., Vol. 3, No. 6, 1984, pp. 1227-1234
	C3	Alitalo et al, "Homogenously staining chromosomal regions containing amplified copies of abundantly expressed cellular oncogene (c-myc) in malignant neuroendocrine cells from a human colon carcinoma," Proc. Natl. Acad. Sci., Vol. 80, March 1983, pp. 1707-1711
	C4	Angerer et al, "*In Situ* Hybridization to Cellular RNAs," Genetic Engineering: Principles and Methods, Setlow and Hollaender, Eds., Vol. 7, pp. 43-65, Plenum Press, New York (1985)
	C5	Ardeshir et al, "Structure of Amplified DNA in Different Syrian Hamster Cell Lines Resistant to *N*-(Phosphonacetyl)-L-Aspartate," Molecular and Cellular Biology, Vol. 3, No. 11, Nov. 1983, pp. 2076-2088
	C6	Arnoldus et al, "Detection of the Philadelphia Chromosome in Interphase Nuclei (With 2 Color Plates)," Cytogenet. Cell Genet., Vol. 54, 1990, pp. 108-111
	C7	Babu et al, "Tumor behavior in transitional cell carcinoma of the bladder in relation to chromosomal markers and histopathology," Cancer Res., Vol. 47, Dec. 1987, pp. 6800-6805
	C8	Bar-Am et al, "Detection of Amplified DNA Sequences in Human Tumor Cell Lines by Fluorescence In Situ Hybridization," Genes, Chromosomes & Cancer, Vol. 4, 1992, pp. 314-320
	C9	Bayer et al, "The Use of the Avidin-Biotin Complex as a Tool in Molecular Biology," Methods of Biochemical Analysis, Vol. 26, pp. 1-45 (1980)
	C10	Benton et al, "Screening λgt Recombinant Clones by Hybridization to Single Plaques *in situ,*" Science, Vol. 196, 1977, pp. 180-182
	C11	Bergerheim et al, "Deletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396
	C12	Bookstein et al, "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA),Vol. 85, April 1988, pp. 2210-2214
	C13	Boyle et al, "Differential Distribution of Long and Short Interspersed Element Sequences in the Mouse Genome: Chromosome Karyotyping by Fluorescence *in situ* Hybridization," PNAS Sci. USA, Vol. 87, 1990, pp. 7757-7761
	C14	Brigati et al, "Detection of Viral Genomes in Cultured Cells and Paraffin-Embedded Tissue Sections Using Biotin-Labeled Hybridization Probes," Virology, Vol. 126, pp. 32-50 (1983)
	C15	Brison et al, "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes," Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-587
	C16	Britten et al, "Analysis of Repeating DNA Sequences by Reassociation," Methods of Enzymology, Vol. 29, 1974, pp. 363-418
	C17	Brock et al., "Quantitative in situ Hybridization Reveals Extent of Sequence Homology Between Related DNA Sequences in *Drosophila melanogaster,* CHROMOSOMA, Vol. 83, No. 2, 1981, pp. 159-168
	C18	Broker et al, "Electron Microscopic Visualization of tRNA Genes with Ferritin-Avidin: Biotin Labels," Nucleic Acids Research, Vol. 5, No. 2, pp. 363-384 (1978)
	C19	Bufton et al, "A Highly Polymorphic Locus On Chromosome 16q Revealed By A Probe From A Chromosome-Specific Cosmid Library," Human Genetics, Vol. 74, 1986, pp. 425-431
	C20	Bufton et al, "Four Restriction Fragment Length Polymorphisms Revealed By Probes From A Single Cosmid Map To Human Chromosome 19," Am J Hum Genet, Vol. 38, 1986, pp. 447-460

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C21	Buongiorno-Nardelli et al, "Autoradiographic Detection of Molecular Hybrids between rRNA and DNA in Tissue Sections," NATURE, Vol. 225, March 1970, pp. 946-948
	C22	Burk et al, "Organization and Chromosomal Specificity of Autosomal Homologs of Human Y Chromosome Repeated DNA," Chromosoma, Vol. 92, 1985, pp. 225-233
	C23	Buroker et al, "Four Restriction Fragment Length Polymorphisms Revealed By Probes From A Single Cosmid Map To Human Chromosome 12q," Human Genetics, Vol. 72, 1986, pp. 86-94
	C24	Cannizzaro et al, "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21;22) Translocations," Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178
	C25	Cantor et al, "The Behavior of Biological Macromolecules, Part III," Biophysical Chemistry, Freeman & Co. 1980, pp. 1183, 1226-1228
	C26	Cassidy et al, "Deletion of chromosome 15(q11-13) in a Prader-Labhart-Willi syndrom clinic population," Am. J. Med. Genet., Vol. 17, 1984, pp. 485-495
	C27	Cohen et al, "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595
	C28	Colb et al, "A variable tandem repeat locus mapped to chromosome band 10q26 is amplified and rearranged in leukocyte DNAs of two cancer patients," Nucleic Acids Res., Vol. 14(20), 1986, pp. 7929-7937
	C29	Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method," PNAS (USA), 81: 6812-6816 (November 1984)
	C30	Connolly et al, "Chemical Synthesis of Oligonucleotides Containing A Free Sulphydryl Group and Subsequent Attachment of Thiol Specific Probes," Nucleic Acids Research, Vol. 13, No. 12, pp. 4485-4502 (1985)
	C31	Coté et al, "Quantitation of in situ Hybridization of Ribosomal Ribonucleic Acids to Human Diploid Cells," Chromosoma, Vol. 80, 1980, pp. 349-367
	C32	Cox et al, "Detection of mRNAs in Sea Urchin Embryos by *in Situ* Hybridization Using Asymmetric RNA Probes," Developmental Biology, Vol. 101, 1984, pp. 485-502
	C33	Cremer et al, "Detection of Chromosome Aberrations in Metaphase and Interphase Tumor Cells by *in situ* Hybridization Using Chromosome-Specific Library Probes," Human Genetics, Vol. 80, 1988, pp. 235-246
	C34	Cremer et al, "Detection of Chromosome Aberrations in the Human Interphase Nucleus by Visualization of Specific Target DNAs with Radioactive and Non-Radioactive *in situ* Hybridization Techniques: Diagnosis of Trisomy 18 with Probe Ll.84," Human Genetics, Vol. 74, 1986, pp. 346-352
	C35	Cremer et al, "Rapid Interphase and Metaphase Assessment of Specific Chromosomal Changes in Neuroectodermal Tumor Cells by *in Situ* Hybridization with Chemically Modified DNA Probes," Exp. Cell Res., Vol. 176, 1988, pp. 199-220
	C36	Cremer et al, "Rapid Metaphase and Interphase Detection of Radiation-Induced Chromosome Aberrations in Human Lymphocytes by Chromosomal Suppression In Situ Hybridization," Cytometry, Vol. 11, 1990, pp. 110-118
	C37	Cremer et al, "Preparative Dual-Beam Sorting of the Human Y Chromosome and In Situ Hybridization of Cloned DNA Probes," Cytometry, Vol. 5, 1984, pp. 572-579
	C38	Cuneo et al, "Multipotent stem cell involvement in megakaryoblastic leukemia: cytologic and cytogenic evidence in 15 patients," Blood, Vol. 74(5), Oct. 1989, pp. 1781-1790
	C39	Davies, "The Application of DNA Recombinant Technology to the Analysis of the Human Genome and Genetic Disease," Human Genetics, Vol. 58, 1981, pp. 351-357
	C40	Dennis et al, "Cytogenetics of the Parthenogenetic Grasshopper *Warramaba virgo* and Its Bisexual Relatives," Chromosoma, Vol. 82, 1981, pp. 453-469

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

C41	Devilee et al, "Detection of Chromosome Aneuploidy in Interphase Nuclei from Human Primary Breast Tumors Using Chromosome-specific Repetitive DNA Probes," Cancer Res., Vol. 48, Oct. 1988, pp. 5825-5830
C42	Diaz et al, "Homozygous deletion of the alpha- and beta 1-interferon genes in human leukemia and derived cell lines," Proc. Natl. Acad. Sci., Vol. 85, Jul. 1988, pp. 5259-5263
C43	Durnam et al, "Detection of Species Chromosomes in Somatic Cell Hybrids," Sonomatic Cell and Molecular Genetics, Vol. 11, No. 6, 1985, pp. 571-577
C44	Dutrillaux et al, "Characterization of Chromosomal Anomalies in Human Breast Cancer -- A Comparison of 30 Paradiploid Cases with Few Chromosome Changes," Cancer Genet. Cytogenet., Vol. 49, 1990, pp. 203-217
C45	Ehlen et al, "Loss of heterozygosity on chromosomal segments 3p, 6q and 11p in human ovarian carcinomas," Oncogene, Vol. 5, 1990, pp. 219-223
C46	Erikson et al, "Heterogeneity of Chromosome 22 Breakpoint in Philadelphia-positive (Ph^+) Acute Lymphocytic Leukemia," PNAS, USA, Vol. 83, March 1986, pp. 1807-1811
C47	Filatov et al, "Differences in the localization of repeats of the alu family in certain chromosomes of peripheral blood cells of normal donors and bone marrow cells of patients with acute leukemia," Mol. Genet. Mikrobiol. Virusolog., Vol. 11, 1988, pp. 41-45
C48	Fisher et al, "Adhesive and Degradative Properties of Human Placental Cytotrophoblast Cells *In Vitro,*" J. Cell Biol., Vol. 109, No. 2, 1989, pp. 891-902
C49	Fisher et al, "Molecular Hybridization Under Conditions of High Stringency Permits Cloned DNA Segments Containing Reiterated DNA Sequences to be Assigned to Specific Chromosomal Locations," PNAS, USA, Vol. 81, Jan. 1984, pp. 520-524
C50	Flejter et al, "Recurring loss involving chromosomes 1, 3 and 22 in malignant mesothelioma: possible sites of tumor suppressor genes," Genes Chromosomes Cancer, Vol. 1, 1989, pp. 138-154
C51	Friend et al, "A Human DNA Segment with Properties of the Gene that Predisposes to Retinoblastoma and Osteosarcoma," Nature, Vol. 323, Oct. 16, 1986, pp. 643-646
C52	Fuscoe et al, "An Efficient Method for Selecting Unique-Sequence Clones from DNA Libraries and Its Application To Fluorescent Staining of Human Chromosome 21 Using *in Situ* Hybridization," Genomics, Vol. 5, 1989, pp. 100-109
C53	Fuscoe et al, "Construction of Fifteen Human Chromosome-Specific DNA Libraries from Flow-Purified Chromosomes," Cytogenetic Cell Genetics, Vol. 43, pp. 79-86 (1986)
C54	Gall et al, "Nucleic Acid Hybridization in Biological Preparations," Methods in Enzymology, Vol. 21, pp. 470-480 (1981)
C55	Gall et al, "Formation and Detection of RNA-DNA Hybrid Molecules in Cytological Preparations," PNAS (USA), Vol. 63, 1969, pp. 378-383
C56	Gerber et al, "Regional localization of chromosome 3 - specific DNA fragments by using a hybrid cell deletion mapping panel," Am. J. Hum. Genet., Vol. 43, 1988, pp. 442-451
C57	Gerhard et al, "Localization Of a Unique Gene By Direct Hybridization *in situ,*" PNAS, Vol. 78, 1981, pp. 3755-3759
C58	Gibas et al, "Chromosomal rearrangements in bladder cancer," Urology, vol. 23(3), Mar. 1984, pp. 3-9
C59	Gnatt et al, "Exression of alternatively terminated unusual human butyrylcholinesterase messenger RNA transcripts, mapping to chromosome 3q26-ter, in nervous system tumors," Cancer Res., Vol. 50, April 1990, pp. 1983-1987
C60	Gray et al, "Flow Cytometric Detection of Chromosome Aberrations," (Abstract) Conference on Flow Cytometry in Cell Biology and Genetics, Clift Hotel, San Francisco, California, 1/15/85 -1/17/85
C61	Gray et al, "Fluorescence Hybridization to Human Chromosome 21 Using Probes From A Charon 21 A Library," Cytometry, (Suppl. 1), 1987, Abst. 19, pg. 4

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C62	Grunstein et al, "Colony Hybridization: A Method for the Isolation of Cloned DNAs That Contain A Specific Gene," PNAS, USA, Vol. 72, No. 10, Oct. 1975, pp. 3961-3965
	C63	Haase et al, "Detection of Two Viral Genomes in Single Cells By Double-Label Hybridization in Situ and Color Microradioautography," Science, Vol. 227, 1985, pp. 189-192
	C64	Harper et al, "Localization of Single Copy DNA Sequences on G-Banded Human Chromosomes by *in situ* Hybridization," Chromosoma (Berl.), Vol. 83, 1981, pp. 431-439
	C65	Harper et al, "Localization of the Human Insulin Gene to the Distal End of the Short Arm of Chromosome 11," PNAS (USA), Vol. 78, No. 7, July 1981, pp. 4458-4460
	C66	Henderson, "Cytological Hybridization to Mammalian Chromosomes," International Review of Cytology, Vol. 76, 1982, pp. 1-46
	C67	Herzenberg et al, "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting," PNAS (USA), Vol. 76, No. 3, March 1979, pp. 1453-1455
	C68	Hill et al, "Cytogenetic analysis in human breast carcinoma. II. Seven cases in the triploid/tetraploid range investigated using direct preparations," Cancer Genet. Cytogenet., Vol. 24, 1987, pp. 45-62
	C69	Holden et al, "Amplified Sequences from Chromosome 15, Including Centromeres, Nucleolar Organizer Regions, and Centromeric Heterochromatin, in Homogeneously Staining Regions in the Human Melanoma Cell Line MeWo," Cancer Genet. & Cytogenet., Vol. 14, 1985, pp. 131-146
	C70	Hood et al, Molecular Biology of Eucaryotic Cells, W. A. Benjamin, Inc., Menlo Park, CA, pgs. 47-51 (1975)
	C71	Houldsworth et al, "Comparative Genomic Hybridization: An Overview," Am. J. Pathology, Vol. 145, No. 6, 1994, pp. 1253-1260
	C72	Jabs et al, "Characterization of a Cloned DNA Sequence that is Present at Centromeres of All Human Autosomes and the X Chromosome and Shows Polymorphic Variation," PNAS (USA), Vol. 81, August 1984, pp. 4884-4888
	C73	Jackson et al, "A double translocation culture t(5;15)t(9;11) with partial deletion of the short arm of chromosome 5," Cytogenet. Cell Genet., Vol. 15, 1975, pp. 400-401
	C74	John et al, "RNA-DNA Hybrids at the Cytological Level," NATURE, Vol. 223, August 1969, pp. 582-587
	C75	Kallioniemi et al, "Comparative Genomic Hybridization for Molecular Cytogenetic Analysis of Solid Tumors," Science, Vol. 258, 1992, pp. 818-821
	C76	Kallioniemi et al, "Optimizing Comparative Genomic Hybridization for Analysis of DNA Sequence Copy Number Changes in Solid Tumors," Genes, Chromosomes & Cancer, Vol. 10, 1994, pp. 231-243
	C77	Kao et al, "Assignment of the Structural Gene Coding for Albumin to Human Chromosome 4, " Human Genetics, Vol. 62, 1982, pp. 337-341
	C78	Kievits et al, "Direct Nonradioactive In Situ Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes," Cytometry, Vol. 11, 1990, pp. 105-109
	C79	Klein et al, "Molecular and cytogenetic events in urologic tumors," Seminars in Urology, Vol. 6(1), Feb. 1988, pp. 2-21
	C80	Krumlauf et al, "Construction and Characterization of Genomic Libraries From Specific Human Chromosomes," PNAS, vol. 79, 1982, pp. 2971-1975
	C81	Kuhlmann, Immuno Enzyme Techniques in Cytochemistry, Verlag Chemie, Weinheim, Basel (1984) (table of contents only)
	C82	Kunkel et al, "Organization and Heterogeneity of Sequences Within A Repeating Unit Of Human Y Chromosome Deoxyribonucleic Acid," Biochem., Vol. 18, 1979, pp. 3343-3353
	C83	Lakkala et al., "Comparison of DNA and karyotype aneuploidy in malignant lymphomas," Am. J. Clin. Pathol., Vol. 94, 1990, pp. 600-605
	C84	Landegent et al, "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive *in situ* Hybridization," Hum. Genet., Vol. 77, 1987, pp. 366-370

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C85	Landegent et al, "Chromosomal Localization of a Unique Gene by Non-Autoradiographic *in situ* Hybridization," Nature, Vol. 317, Sept. 1985, pp. 175-177
	C86	Landegent et al, "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences," Exp. Cell Res., Vol. 153, 1984, pp. 61-72
	C87	Landegent et al, "Fine Mapping Of The Huntington Disease Linked D4S10 Locus By Non-Radioactive In Situ Hybridization," Human Genetics, Vol. 73, 1986, pp. 354-357
	C88	Landegren et al, "DNA Diagnostics -- Molecular Techniques and Automation," Science, vol. 242, October 1988, pp. 229-237
	C89	Langer-Safer et al, "Immunological Method for Mapping Genes on *Drosophila* Polytene Chromosomes," PNAS (USA), Vol. 79, 1982, pp. 4381-4385
	C90	Lawn et al, "The Isolation and Characterization of Linked δ- and β-Globin Genes from a Cloned Library of Human DNA," Cell, Vol. 15, pp. 1157-1174 (1978)
	C91	Lawrence et al, "Sensitive, High-Resolution Chromatin and Chromosome Mapping *In Situ:* Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line," Cell, Vol. 52, Jan. 1988, pp. 51-61
	C92	LeGrys et al, "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases," CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274
	C93	Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May be Possible Using a Newly Developed Technique," Science, Vol. 221, No. 4616, Sept. 1983, p. 1167
	C94	Lewin B., (editor), GENES, (2nd Edition John Wiley & Sons, Inc. 1984), pp. 298-299 and 464-465
	C95	Lichter et al, "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by *in situ* Suppression Hybridization Using Recombinant DNA Libraries," Human Genet., Vol. 80, 1988, pp. 224-234
	C96	Lichter et al, "Rapid Detection of Human Chromosome 21 Aberrations by *in situ* Hybridization," PNAS Sci. USA, Vol. 85, 1988, pp. 9664-9668
	C97	Lichter et al, "Fluorescence *in situ* Hybridization with *Alu* and Ll Polymerase Chain Reaction Probes for Rapid Characterization of Human Chromosomes in Hybrid Cell Lines," PNAS Sci. USA, Vol. 87, 1990, pp. 6634-6638
	C98	Lichter et al, "High-Resolution Mapping of Human Chromosome 11 by in Situ Hybridization with Cosmid Clones," Science, Vol. 247, Jan. 5, 1990, pp. 64-69
	C99	Lichter et al, "Is Non-Isotopic *in situ* Hybridization Finally Coming of Age?," Nature, Vol. 345, May 1990, pp. 93-94
	C100	Linnenbach et al, "Structural alteration in the MYB protooncogene and deletion within the gene encoding a-type protein kinase C in human melanoma cell lines," Proc. Natl. Acad. Sci., Vol. 85, Jan. 1988, pp. 74-78
	C101	Litt et al, "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210
	C102	Litt et al, "A Highly Polymorphic Locus In Human DNA Revealed By Probes From Cosmid 1-5 Maps To Chromosome 2q35→37," Am J Hum Genet, Vol. 38, 1986, pp. 288-296
	C103	Litt et al, "A Polymorphic Locus On The Long Arm Of Chromosome 20 Defined By Two Probes From A Single Cosmid," Human Genetics, Vol. 73, 1986, pp. 340-345
	C104	LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85
	C105	LLNL, " Chromosome-Specific Human Gene Libraries," Energy & Tech. Review, July 1985, pp. 82-83
	C106	Lucas et al, "Rapid Translocation Analysis Using Fluorescence In Situ Hybridization: Applied to Long Term Biological Dosimetry," (UCRL 102265 Abstract), Radiation Research Meeting, New Orleans, Louisiana, 4/7/90 - 4/12/90

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C107	Malcolm et al, "Chromosomal Localization Of A Single Copy Gene By *in situ* Hybridization – Human β Globin Genes On The Short Arm of chromosome 11," Ann. Hum. Genet., Vol. 45, 1981, pp. 134-141
	C108	Maniatis et al, "In Vitro Packaging of Bacteriophage λ DNA," Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory, pp. 256-307 (1982)
	C109	Manuelidis, "Individual Interphase Chromosome Domains Revealed by In Situ Hybridization," Hum Genet, Vol. 71, 1985, pp. 288-293
	C110	Manuelidis et al, "Chromosomal and Nuclear Distribution of the HindIII 1.9-kb Human DNA Repeat Segment," Chromosoma (Berl.), Vol. 91, 1984, pp. 28-38
	C111	Manuelidis, "Different Central Nervous System Cell Types Display Distinct and Nonrandom Arrangements of Satellite DNA Sequences," PNAS (USA), Vol. 81, May 1984, pp. 3123-3127
	C112	Marmur, "A Procedure for the Isolation of Deoxyribonucleic Acid from Micro-organisms," J. Mol. Biol., Vol. 3, pp. 208-218 (1961)
	C113	Martsolf et al, "Familial transmission of Wolf syndrome resulting from specific deletion of 4p16 from t(4;8)(p16;p21) mat.," Clin. Genet., Vol. 31, 1987, pp. 366-369
	C114	Matthews, "Analytical strategies for the use of DNA probes," Anal. Biochem., Vol. 169, 1988, pp. 1-25
	C115	McCormick, "The Polymerase Chain Reaction and Cancer Diagnosis," Cancer Cells, Vol. 1, No. 2, Oct. 1989, pp. 56-61
	C116	Miller et al, "Familial balanced insertional translocation of chromosome 7 leading to offspring with deletion and duplication of the inserted segment, 7p15-7p21," Am. J. Med. Genet., Vol. 4, 1979, pp. 323-332
	C117	Montgomery et al, "Specific DNA Sequence Amplification in Human Neuroblastoma Cells," PNAS Sci. USA, Vol. 80, 1983, pp. 5724-5728
	C118	Nederlof et al, "Detection of Chromosome Aberrations in Interphase Tumor Nuclei by Nonradioactive In Situ Hybridation," Cancer Genet. Cytogenet., Vol. 42, 1989, pp. 87-98
	C119	Nelson et al, "Genomic Mismatch Scanning: A New Approach To Genetic Linkage Mapping," Nature Genetics, Vol. 4, 1993, pp. 11-18
	C120	Nishida et al, "Nonrandom rearrangement of chromosome 14 at band q32.33 in human lymphoid malignancies with mature B-cell phenotype,"Cancer Res., Vol. 49, Mar. 1989, pp. 1275-1281
	C121	Olsen et al, "Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid," Biochemistry, Vol. 19, 1980, pp. 2419-2428
	C122	Park et al, "Amplification, Overexpression, and Rearrangement of the *erb*B-2 Protooncogene in Primary Human Stomach Carcinomas," Cancer Res., Vol. 49, 1989, pp. 6605-6609
	C123	Perucca et al, "Molecular genetics of human bladder carcinomas," Cancer Genet. Cytogenet., Vol. 49(2), Oct. 1990, pp. 143-156
	C124	Pierce et al," Analysis Of A dispersed Repetitive DNA Sequence In Isogenic Lines of *Drosophila*," Chromosoma, vol. 82, 1981, pp. 471-492
	C125	Pikler et al, "Cytogenetic findings in acute monocytic leukemia in a renal allograft recipient," Cancer Genet. Cytogenet., Vol. 20, 1986, pp. 101-107
	C126	Pinkel et al, "Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization," PNAS Sci. USA, Vol. 83, 1986, pp. 2934-2938
	C127	Pinkel et al, "Fluorescence *in situ* Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosome 4," PNAS (USA), Vol. 85, Dec. 1988, pp. 9138-9142
	C128	Pinkel et al, "Detection of Structural Chromosome Aberrations in Metaphase Spreads and Interphase Nuclei by *in situ* Hybridization High Complexity Probes Which Stain Entire Human Chromosomes," Am. J. Hum. Genet. (Supplement) Vol. 43, No. 3, Sept. 1988, p. A118 (Abstract 0471: 11.5)
	C129	Pinkel et al, "Cytogenetic Analysis by *In Situ* Hybridization with Fluorescently Labeled Nucleic Acid Probes," Cold Spring Harbor Symposia on Quantitative Biology, Vol. LI, 1986, pp. 151-157

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C130	Pinkel et al, "Genetic Analysis by Quantitative Microscopy and Flow Cytometry Using Fluorescence *In Situ* Hybridization with Chromosome-Specific Nucleic Acid Probes," Am. J. Hum. Genet. (Supplement), Vol. 39, No. 3, Sept. 1986, p. A129 (379)
	C131	Pinkel et al, "Cytogenetic Analysis During Leukemia Therapy Using Fluorescence *in situ* Hybridization with Chromosome-Specific Nucleic Acid Probes," Am. J. Hum. Genet. (Supplement), Vol. 41, No. 3, Sept. 1987, p. A34 (096; 12.12)
	C132	Pinkel et al, "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy," Am. J. Hum. Genet. (Supplement), Vol. 37, No. 4, July 1985, pp. A112 (328; 17.2)
	C133	Pinkel et al, "Cytogenetics Using Fluorescent Nucleic Acid Probes and Quantitative Microscopic Measurement" (UCRL 93269 Abstract) Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85
	C134	Pinkel et al, "Rapid Quantitative Cytogenic Analysis Using Fluorescently Labeled Nucleic Acid Probes," (UCRL 93553 Abstract), U.S. - Japan Joint Environmental Panel Conf., Research Triangle Park, N.C., 10/21/85 - 10/23/85
	C135	Pinkel et al, "Detection of Structural and Numerical Abnormalities in Metaphase Spreads and Interphase Nuclei Using In Situ Hybridization," Cancer Genet. and Cytogenet. (UCRL 101043 Abstract) 41:236 (October 1989)
	C136	Pinkel et al, "Detection of Translocations and Aneuploidy in Metaphase Spreads and Interphase Nuclei by In Situ Hybridization with Probes Which Stain Entire Human Chromosomes," (UCRL 101042 Abstract) 21st Oak Ridge Conference on Advanced Concepts in the Clinical Laboratory, 4/13/89 - 4/14/89
	C137	Porteus et al, "Human-Mouse Hybrids Carrying Fragments of Single Human Chromosomes Selected by Tumor Growth," Genomics, Vol. 5, 1989, pp. 680-684
	C138	Presti et al, "Molecular Genetic Alterations in Superficial and Locally Advanced Human Bladder Cancer," Cancer Research, Vol. 51(19), Oct. 1991, pp. 5405-5409
	C139	Rabin, "Mapping Minimally Reiterated Genes On Diploid Chromosomes By In Situ Hybridization," Thesis, Dept. of Biochemistry, Univ. Ill., 1982
	C140	Rabin et al, "Two Homoeo Box Loci Mapped In Evolutionarily Related Mouse And Human Chromosomes," Nature, Vol. 314, 1985, pp. 175-178
	C141	Rappold et al, "Sex Chromosome Positions in Human Interphase Nuclei as Studied by *in situ* Hybridization with Chromosome Specific DNA Probes," Human Genetics, Vol. 67, 1984, pp. 317-322
	C142	Richardson et al, "Biotin and Fluorescent Labeling of RNA Using T4 RNA Ligase," Nucleic Acids Research, Vol. 11, No. 18, pp. 6167-6184 (1983)
	C143	Ried et al, "Simultaneous Visualization of Seven Different DNA Probes by *in situ* Hybridization Using Combinatorial Fluorescence and Digital Imaging Microscopy," PNAS Sci. USA, Vol. 89, 1992, pp. 1388-1392
	C144	Rivera et al, "Del (8) (q212q2200) De Novo in a boy without Langer-Giedion syndrome," J. Genet. Hum., Vol. 31(5), Dec. 1983, pp. 413-418
	C145	Roelofs et al, "Gene Amplification in Human Cells May Involve Interchromosomal Transposition and Persistence of the Original DNA Region," The New Biologist, Vol. 4, No. 1, (Jan. 1992), pp. 75-86
	C146	Ruddle, "A New Era In Mammalian Gene Mapping: Somatic Cell Genetics And Recombinant DNA Methodologies," Nature, Vol. 294, 1981, pp. 115-120
	C147	Sandberg, "Chromosome changes in bladder cancer: clinical and other correlations," Cancer Genet. Cytogenet., Vol. 19, 1986, pp. 163-175
	C148	Sanchez et al, "Complex translocation in a boy with trichorhinophalangeal syndrome," J. Med. Genet., Vol. 22(4), Aug. 1985, pp. 314-316 ABSTRACT ONLY FOR THIS REFERENCE

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C149	Saint-Ruf et al, "Proto-Oncogene Amplification and Homogeneously Staining Regions in Human Breast Carcinomas," Genes, Chromosomes & Cancer, Vol. 2, 1990, pp. 18-26
	C150	Scalenghe et al, "Microdissection and Cloning of DNA from a Specific Region of *Drosophila melanogaster* Polytene Chromosomes," Chromosoma (Berl.), Vol. 82, 1981, pp. 205-216
	C151	Schardin et al, "Specific Staining of Human Chromosomes in Chinese Hamster X Man Hybrid Cell Lines Demonstrates Interphase Chromosome Territories," Hum. Genet., Vol. 71, 1985, pp. 281-287
	C152	Schmeckpeper et al, "Partial Purification and Characterization of DNA from the Human X Chromosome," PNAS (USA), Vol. 76, No. 12, Dec. 1979, pp. 6525-6528
	C153	Sealey, et al, "Removal of Repeated Sequences from Hybridisation Probes," Nucleic Acid Research, Vol. 13, No. 6, 1985, pp. 1905-1922
	C154	Selypes et al, "A Noninvasive Method for Determination of the Sex and Karyotype of the Fetus from the Maternal Blood," Hum. Genet., Vol. 79, 1988, pp. 357-359
	C155	Siracusa et al, "Use of Repetitive DNA Sequences To Distinguish *Mus musculus* and *Mus caroli* Cells By *in situ* Hybridization," J Embryol. exp. Morph., Vol. 73, 1983, pp. 163-178
	C156	Smith et al, "Distinctive Chromosomal Structures Are Formed Very Early in the Amplification of CAD Genes in Syrian Hamster Cells," Cell, Vol. 63, (Dec. 21, 1990), pp. 1219-1227
	C157	Smith et al, "The Synthesis of Oligonucleotides Containing an Aliphatic Amino Group at the 5' Terminus: Synthesis of Fluorescent DNA Primers For Use In DNA Sequence Analysis," Nucleic Acids Research, Vol. 13, No. 7, pp. 2399-2412 (1985)
	C158	Sondermeijer et al, "The Activity of Two Heat Shock Loci of *Drosophila hydei* In Tissue Culture Cells and Salivary Gland Cells as Analyzed by in situ Hybridization of Complementary DNA," Chromosoma, Vol. 72, 1979, pp. 281-291
	C159	Sparkes et al, "Regional Assignment of Genes for Human Esterase D and Retinoblastoma to Chromosome Band 13ql4," Science, Vol. 208, May 30, 1988, pp. 1042-1044
	C160	Steinemann, "Multiple Sex Chromosomes in *Drosophila miranda:* A System to Study the Degeneration of a Chromosome," Chromosoma, Vol. 86, 1982, pp. 59-76
	C161	Stewart et al, "Cloned DNA Probes Regionally Mapped to Human Chromosome 21 and Their Use in Determining the Origin of Nondisjunction," Nucleic Acids Research, Vol. 13, No. 11, 1985, pp. 4125-4132
	C162	Straume et al, "Chromosome Translocation of Low Radiation Doses Quantified Using Fluorescent DNA Probes," (UCRL 93837 Abstract), Radiation Research Society Meeting, Las Vegas, Nevada, 4/12/86 - 4/17/86
	C163	Szabo et al, "What's New With Hybridization *in situ*?," TIBS, Vol. 7, No. 11, December 1982, pp. 425-427
	C164	Szabo et al, "Quantitative *in Situ* Hybridization of Ribosomol RNA Species to Polytene Chromosomes of *Drosophila melanogaster,*" J. Mol. Biol., Vol. 115, 1977, pp. 539-563
	C165	Tchen et al, "Chemically Modified Nucleic Acids as Immunodetectable Probes in Hybridization Experiments," PNAS, Vol. 81, pp. 3466-3470 (1984)
	C166	Thompson et al, Thompson & Thompson: Genetics in Medicine, 5th ed., W.B. Saunders Co., Philadelphia, PA, pages 38-39 (1991)
	C167	Trask et al, "The Proximity of DNA Sequences in Interphase Cell Nuclei Is Correlated to Genomic Distance and Permits Ordering of Cosmids Spanning 250 Kilobase Pairs," Genomics, Vol. 5, 1989, pp. 710-717
	C168	Trask et al, "Detection of DNA Sequences in Nuclei in Suspension by In Situ Hybridization and Dual Beam Flow Cytometry" (UCRL 93372 Abstract) - Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85-11/22/85

OTHER ART (Include Author, Title, Date, Pertinent Pages, *etc.*) [CONTINUED]

	C169	Trask et al, "Early Dihydrofolate Reductase Gene Amplification Events in CHO Cells Usually Occur on the Same Chromosome Arm as the Original Locus," Genes & Development, Vol. 3, (1989), pp. 1913-1925
	C170	Trent et al, "Report of the Committee on Structural Chromosome Changes in Neoplasia," Cytogenet. Cell Genet., Vol. 51, 1989, pp. 533-562
	C171	Van Dilla et al, "Construction and Availability of Human Chromosome-Specific DNA Libraries From Flow Sorted Chromosomes: Status Report," Am. J. of Human Genetics, Vol. 37 (R Supplement) July 1985, p. A179
	C172	Vanni et al, "Cytogenetic investigation of 30 bladder carcinomas," Cancer Genet. Cytogenet., Vol. 30, 1988, pp. 35-42
	C173	Wallace et al, "The Use of Synthetic Oligonucleotides as Hybridization Probes - II Hybridization of Oligonucleotides of Mixed Sequence to Rabbit β Globin DNA," Nucleic Acids Research, Vol. 9, No. 4, 1981, pp. 879-894
	C174	Weiss et al, "Organization and Evolution of the Class I Gene Family in the Major Histocompatibility Complex of the C57BL/10 Mouse," Nature, Vol. 310, No. 23, Aug. 1984, pp. 650-655
	C175	Willard et al, "Isolation and Characterization of a Major Tandem Repeat Family from the Human X Chromosome," Nucleic Acids Research, Vol. 11, No. 7, 1983, pp. 2017-2033
	C176	Wilson et al, "Occurrence of holopresencephaly in chromosome 13 locus disorders cannot be explained by duplication/deficiency of a single locus," Am. J. Med. Genet. Suppl., Vol. 2, 1986, pp. 65-72 ABSTRACT ONLY FOR THIS REFERENCE
	C177	Wilson et al, "The phenotypic and cytogenetic spectrum of partial trisomy 9," Am. J. Med. Genet., Vol. 20(2), Feb. 1985, pp. 277-282 ABSTRACT ONLY FOR THIS REFERENCE
	C178	Windle et al, "A Central Role for Chromosome Breakage in Gene Amplification, Deletion Formation, and Amplicon Integration," Genes & Development, Vol. 5, (1991), pp. 160-174
	C179	Yokota et al, "Loss of heterozygosity on chromosomes 3, 13 and 17 in small-cell carcinoma and on chromosome 3 in adenocarcinoma of the lung," Proc. Natl. Acad. Sci. Vol. 84, Dec. 1987, pp. 9252-9256
	C180	Yunis et al, "Localization of Sequences Specifying Messenger RNA to Light-Staining G-Bands of Human Chromosomes," Chromosoma (Berl.), Vol. 61, 1977, pp. 335-344

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